

cartridge), the original tape, or the earliest available generation of the recording, and a subsequent generation copy for reference. Section 1232.30(d) of this subchapter requires the use of open-reel analog magnetic tape for original audio recordings.

(d) *Video recordings.* (1) For videotape, the original or earliest generation videotape and a copy for reference. Section 1232.30(c) of this subchapter requires the use of industrial-quality or professional videotapes for use as originals, although VHS copies can be transferred as reference copies.

(2) For video discs, the premaster videotape used to manufacture the video disc and two copies of the disc. Video discs that depend on interactive software and nonstandard equipment may not be acceptable for transfer.

(e) *Finding aids and production documentation.* The following records shall be transferred to the National Archives with the audiovisual records to which they pertain.

(1) Existing finding aids such as data sheets, shot lists, continuities, review sheets, catalogs, indexes, list of captions, and other documentation that are helpful or necessary for the proper identification, or retrieval of audiovisual records. Agencies should contact the appropriate Special Media Archives Services Division unit, to determine the type of hardware and software that is currently acceptable for transfer to the National Archives as an agency electronic finding aid that will accompany its audiovisual records. In general, however, agencies must transfer two copies of the electronic finding aid, one in its native format with its field structure documented, and a second copy in a contemporary format available at the time of transfer that NARA will be able to support and import to its database.

(2) Production case files or similar files that include copies of production contracts, scripts, transcripts, and appropriate documentation bearing on the origin, acquisition, release, and ownership of the production.

#### § 1228.268 Cartographic and architectural records.

The following classes of cartographic and architectural records appraised as permanent should be transferred to the National Archives as soon as they become inactive or whenever the agency cannot provide the proper care and handling of the materials to guarantee their preservation.

(a) *Maps and charts.* (1) Manuscript maps; printed and processed maps on which manuscript changes, additions, or annotations have been made for record purposes or which bear manuscript signatures to indicate official approval; and single printed or processed maps that have been attached to or interfiled with other documents of a record character or in any way made an integral part of a record.

(2) Master sets of printed or processed maps in the custody of the agency by which they were issued. Such master sets should be kept segregated from the stock of maps held for distribution and from maps received from other agencies. A master set should include one copy of each edition of a printed or processed map issued.

(3) Computer-related and computer-plotted maps that cannot be reproduced by the National Archives because of destruction of the magnetic tapes or other stored data or because of the unavailability of ADP equipment.

(4) Index maps, card indexes, lists, catalogs, or other finding aids that may be helpful in using the maps transferred.

(5) Records related to preparing, compiling, editing, or printing maps, such as manuscript field notebooks of surveys, triangulation and other geodetic computations, and project folders containing specifications to be followed and appraisals of source materials to be used.

(b) *Aerial photography and remote sensing imagery.* (1) Vertical and oblique negative aerial film, conventional aircraft.

(2) Annotated copy negatives, inter-negatives, rectified negatives, and glass plate negatives from vertical and oblique aerial film, conventional aircraft.

(3) Annotated prints from aerial film, conventional aircraft.

[61 FR 32336, June 24, 1996, as amended at 66 FR 27027, May 16, 2001]

(4) Infrared, ultraviolet, multispectral (multiband), video, imagery radar, and related tapes, converted to a film base.

(5) Indexes and other finding aids in the form of photo mosaics, flight line indexes, coded grids, and coordinate grids.

(c) *Architectural and related engineering drawings.* (1) Design drawings, preliminary and presentation drawings, and models which document the evolution of the design of a building or structure.

(2) Master sets of drawings which document the condition of a building or structure in terms of its initial construction and subsequent alterations. This category includes final working drawings, "as-built" drawings, shop drawings, and repair and alteration drawings.

(3) Drawings of repetitive or standard details of one or more buildings or structures.

(4) "Measured" drawings of existing buildings and original or photocopies of drawings reviewed for approval.

(5) Related finding aids and specifications to be followed.

[42 FR 57315, Nov. 2, 1977. Redesignated at 50 FR 15723, Apr. 19, 1985, and 55 FR 27433, July 2, 1990, as amended at 57 FR 22433, May 28, 1992]

**§ 1228.270 Electronic records.**

(a) *Timing of transfers.* Each agency is responsible for the integrity of the permanent records it transfers on physical media to the National Archives of the United States. For records transferred by a media-less method, NARA works with the agency to ensure integrity of the records during the transfer process. To ensure that permanent electronic records are preserved, each Federal agency must transfer electronic records to NARA promptly in accordance with the agency's records disposition schedule. Furthermore, if the agency cannot provide proper care and handling of the media (see part 1234 of this chapter), or if the media are becoming obsolete and the agency cannot migrate the records to newer media, the agency must contact NARA to arrange for timely transfer of permanent electronic records, even when sooner than provided in the records schedule.

(b) *Temporary retention of copy.* Each agency must retain a second copy of any permanent electronic records that it transfers to the National Archives of the United States until it receives official notification from NARA that the transfer was successful and that NARA has assumed responsibility for continuing preservation of the records.

(c) *Transfer media.* This paragraph covers the transfer of permanent records to the National Archives; it does not apply to the use or storage of records in agency custody. See 36 CFR 1234.30 for the requirements governing the selection of electronic records storage media for current agency use. The agency must use only media that is sound and free from defects for transfers to the National Archives of the United States; the agency must choose reasonable steps to meet this requirement. The approved media and media-less transfer forms are open reel magnetic tape, magnetic tape cartridge; Compact-Disk, Read Only Memory (CD-ROM); and File Transfer Protocol (FTP) as described in paragraphs (c) (1), (2) and (3) of this section.

(1) *Magnetic tape.* Agencies may transfer electronic records to the National Archives on magnetic tape as follows:

(i) Open-reel magnetic tape must be on ½ inch 9-track tape reels recorded at 1600 or 6250 bpi that meet ANSI X3.39-1986, American National Standard: Recorded Magnetic Tape for Information Interchange (1600 CPI, PE) or ANSI X3.54-1986, American National Standard: Recorded Magnetic Tape for Information Interchange (6250 CPI, Group Coded Recording), respectively.

(ii) Tape cartridges may be 18-track 3480-class cartridges. The 3480-class cartridge must be recorded at 37,871 bpi that meet ANSI X3.180-1990, American National Standard: Magnetic Tape and Cartridge for Information Interchange—18-Track, Parallel, ½ inch (12.65 mm), 37871 cpi (1491 cpmm), Group-Coded—Requirements for Recording. The data must be blocked at no more than 32,760 bytes per block.

(iii) Tape cartridges may be DLTtape IV cartridges that must be recorded in an uncompressed format. Agencies interested in transferring scheduled electronic records using a Tape Archive